

Material Safety Data Sheet

#58389201

Black Toner, Type B1

P/N TS3070, TS3090

For more information, contact Muratec America, Inc at:
3301 East Plano Parkway, Suite 100, Plano, TX 75074.

Emergency Information: call 1-800-654-3282; US and
Canada only.

Emergency First Aid Procedures _____

Toner inhaled.

Remove person to fresh air. Seek medical attention.

Toner swallowed (ingested)

Immediately seek medical attention. Never give anything by
mouth to an unconscious person. If possible, rinse out
mouth and give one or two glasses of water or milk to drink.

Toner gets in the eyes.

Flush eyes with large quantities of cool water for 15 minutes,
keeping the eyelids open with fingers. If necessary, seek
medical attention.

Toner gets on the skin.

Wash toner off the skin with plenty of cool water and soap. If
necessary, seek medical attention.

Note: Small amounts of toner on skin or clothing can easily
be removed with soap and *cold* water. Hot water
makes toner harder to remove.

Hazardous Ingredients _____

Carbon Black (4-8%)

CAS#: 1333-86-4.

OSHA TWA: 3.5 ppm.

ACGIH TLV: 3.5 ppm.

Styrene (<50 ppm)

CAS#: 100-42-6.

OSHA TWA: 50 ppm.

ACGIH TLV: 20 ppm.

Other Ingredients _____

Styrene Acrylate Copolymer (70-90%)

CAS#: 25767-47-9.

Fatty Acid Ester (0-2.5%)

CAS#: 75587-84-7.

PMMA (0-3%)

CAS#: 9011-14-7

Silicon Dioxide (amorphous) (0-5%)

CAS#: 67762-90-7

Physical Data _____

Physical State: Solid.

Melting/Freezing Point: 110°C (230°F).

Boiling Point: Not applicable.

PH: Not available.

Vapor Pressure: Not available.

Vapor Density (Air=1): Not available.

Evaporation Rate (Butyl Acetate=1): Not available.

Specific Gravity (H₂O=1): 1.15.

Solubility in Water: Negligible.

Solubility in Solvents: Not available.

Coefficient of water/oil Distribution: Not available.

Appearance and Odor: Black powder, no odor.

Odor Threshold: Not available.

Fire and Explosion Hazard Data

Minimal fire hazard. Large quantities may cause risk of dust
explosion.

Flash Point (Method Used): Not available.

Flammable Limits

Lower Explosive Limit: 60 g/m².

Upper Explosive Limit: Not available.

Auto-Ignition Temperature: Not available.

Explosion Data

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Extinguishing Media: Dry chemicals, CO₂, water spray or
foam.

Special Fire Fighting Procedures: Do not use methods
that may create a dust cloud, such as high pressure water
and/or steam. Avoid inhalation of smoke or gases. Wear
self-contained breathing apparatus.

Hazardous Combustion Products: Oxides of carbon and
nitrogen.

Toxicological Properties _____

Routes of Entry: Inhalation, Ingestion, Eyes, Skin.

Effects of Acute Exposure:

LD₅₀: >2000mg/kg (rat)

LC₅₀: >4.98 mg/l (rat)

Effects of Chronic Exposure: Not available.

Exposure Limits: Not available.

Irritancy:

Skin Irritation: no irritant (rabbit)

Eye Irritation: minimal irritant (rabbit)

Sensitivity: Not available.

Carcinogenicity

IARC: Carbon Black: Group 2B, "Possible Carcinogen."

NTP: No components are listed.

OSHA: Carbon black is designated hazardous according to
OSHA 29 CFR 1910.1200.

Reproductive Toxicity: Not available.

Teratogenicity: Not available.

Mutagenicity: Negative (Ames Test).

Name of Toxicologically Synergistic Products: Not
available.

Reactivity Data

Stability: Stable.

Conditions to Avoid: Avoid excess heat (over 200°C [392°F]) and all sources of ignition

Polymerization: Will not occur.

Hazardous Decomposition or Byproducts:

Combustion products include harmful gases such as carbon monoxide and nitrogen.

Incompatibility: Avoid exposure to strong oxidizers or reducing agents.

Preventive Measures

Personal Protective Equipment

Respiratory Protection: Not normally required. For large spills, use dust respirator during cleanup.

Protective Gloves and/or Eye Protection: Not normally required. For large spills, use rubber gloves and safety goggles during cleanup.

Engineering Controls

Ventilation: Local exhaust recommended, mechanical (general) recommended.

Other Protective Equipment and/or Hygienic Practices: None.

Spill Cleanup

Small Spills

1. Remove sources of ignition.
2. Carefully clean up the spill with a wet cloth, avoiding inhalation of fine dust.

Large Spills

1. Remove sources of ignition and keep unnecessary and unprotected personnel away from area.
2. Wear protective gear: respirator, rubber gloves, safety goggles.
3. Vacuum the spill: vacuum motor must be rated as dust explosion-proof. Then wipe up remainder with a wet cloth.

Waste Disposal

- Prevent release of material into natural waters and sewers.
- Follow appropriate federal, state and local regulations.
- Small amounts can be incinerated.
Careful! Combustion can create harmful gases such as carbon monoxide and nitrogen oxides.
- Large amounts must be passed to a licensed waste contractor.

Precautions

Precautions for Handling or Storage: Keep out of reach of children. Protect from the sun. Store in a cool room, under 104°F (40°C). Use with adequate ventilation. Keep away from sparks and open flame. Keep away from oxidizing materials.

Other Precautions: None.

Shipping Information

Special Shipping Information: This product is not regulated as hazardous materials by the DOT (United States Department of Transportation).

User's Responsibility

This bulletin cannot cover all possible situations which the user may experience when using this product. Each aspect of your operation must be examined in regard to if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin must be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

Preparation Date of MSDS

Date: August 31, 2011.

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